



August 03, 2018

Rob King Hampton Bays Water District P.O. Box 1013 Hampton Bays, NY 11946

RE: Project: DIST BACT-8/1
Pace Project No.: 7060114

# Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on August 01, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

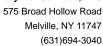
Stu Murrell stu.murrell@pacelabs.com (631)694-3040 Project Manager

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**Enclosures** 

cc: Warren Booth, Hampton Bays Water District John Collins, H2M Group Stella Michaels, Hampton Bays Water District Paul Ponturo, H2M Group







# **CERTIFICATIONS**

Project: DIST BACT-8/1
Pace Project No.: 7060114

### Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158 Pennsylvania Certification #: 68-00350 Connecticut Certification #: PH-0435 Maryland Certification #: 208

Rhode Island Certification #: LAO00340 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987



# **SAMPLE SUMMARY**

Project: DIST BACT-8/1
Pace Project No.: 7060114

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7060114001	HB27	Drinking Water	08/01/18 08:20	08/01/18 16:45
7060114002	HB2	Drinking Water	08/01/18 07:45	08/01/18 16:45
7060114003	HB3	Drinking Water	08/01/18 08:00	08/01/18 16:45
7060114004	HB4	Drinking Water	08/01/18 08:35	08/01/18 16:45
7060114005	HB5	Drinking Water	08/01/18 08:50	08/01/18 16:45
7060114006	HB6	Drinking Water	08/01/18 09:05	08/01/18 16:45
7060114007	HB7	Drinking Water	08/01/18 09:20	08/01/18 16:45
7060114008	HB8	Drinking Water	08/01/18 09:40	08/01/18 16:45
7060114009	HB9	Drinking Water	08/01/18 07:30	08/01/18 16:45
7060114010	HB10	Drinking Water	08/01/18 10:00	08/01/18 16:45
7060114011	HB11	Drinking Water	08/01/18 10:20	08/01/18 16:45



# **SAMPLE ANALYTE COUNT**

Project: DIST BACT-8/1
Pace Project No.: 7060114

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7060114001	HB27	SM22 9223B Colilert	MML	2
7060114002	HB2	SM22 9223B Colilert	NML	2
7060114003	НВ3	SM22 9223B Colilert	NML	2
7060114004	HB4	SM22 9223B Colilert	NML	2
7060114005	НВ5	SM22 9223B Colilert	NML	2
7060114006	HB6	SM22 9223B Colilert	NML	2
7060114007	НВ7	SM22 9223B Colilert	NML	2
7060114008	HB8	SM22 9223B Colilert	NML	2
7060114009	НВ9	SM22 9223B Colilert	NML	2
7060114010	HB10	SM22 9223B Colilert	NML	2
7060114011	HB11	SM22 9223B Colilert	NML	2



Project: DIST BACT-8/1
Pace Project No.: 7060114

Sample: HB27	Lab ID: 70601140	O1 Collecte	Collected: 08/01/18 08:20			/01/18 16:45 Ma	atrix: Drinking Water	
Parameters	Results Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Method:							
Field Residual Chlorine	<b>0.82</b> mg/L			1		08/01/18 08:20		N3
MBIO Total Coliform DW	Analytical Method: SI	M22 9223B Co	olilert Prepa	aration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent			1 1	08/01/18 18:45 08/01/18 18:45	08/02/18 12:45 08/02/18 12:45		



Project: DIST BACT-8/1
Pace Project No.: 7060114

Sample: HB2	Lab ID: 70601140	2 Collecte	Collected: 08/01/18 07:45			Received: 08/01/18 16:45 Matrix		
Parameters	Results Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Method:							
Field Residual Chlorine	<b>0.83</b> mg/L			1		08/01/18 07:45		N3
MBIO Total Coliform DW	Analytical Method: SI	И22 9223B Co	lilert Prepa	aration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent			1	08/01/18 18:45	08/02/18 12:45		
E.coli	Absent			1	08/01/18 18:45	08/02/18 12:45		



Project: DIST BACT-8/1
Pace Project No.: 7060114

Sample: HB3	Lab ID:	Lab ID: 7060114003		Collected: 08/01/18 08:00			01/18 16:45 Ma	8 16:45 Matrix: Drinking Wate	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical	Method:							
Field Residual Chlorine	0.63	mg/L			1		08/01/18 08:00		N3
MBIO Total Coliform DW	Analytical	Method: SM22	2 9223B Co	lilert Prepa	ration Me	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent				1 1	08/01/18 18:45 08/01/18 18:45	08/02/18 12:45 08/02/18 12:45		



Project: DIST BACT-8/1
Pace Project No.: 7060114

Sample: HB4	Lab ID:	7060114004	Collecte	Collected: 08/01/18 08:35			Received: 08/01/18 16:45 Matrix: Drink		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical	Method:							
Field Residual Chlorine	0.66	mg/L			1		08/01/18 08:35		N3
MBIO Total Coliform DW	Analytical	Method: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	08/01/18 18:45	08/02/18 12:45		
E.coli	Absent				1	08/01/18 18:45	08/02/18 12:45		



Project: DIST BACT-8/1
Pace Project No.: 7060114

Sample: HB5	Lab ID: 706011400	5 Collecte	Collected: 08/01/18 08:50			01/18 16:45 Ma	latrix: Drinking Water	
Parameters	Results Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Method:							
Field Residual Chlorine	<b>0.57</b> mg/L			1		08/01/18 08:50		N3
MBIO Total Coliform DW	Analytical Method: SN	122 9223B Co	olilert Prepa	aration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent			1 1	08/01/18 18:45 08/01/18 18:45	08/02/18 12:45 08/02/18 12:45		



Project: DIST BACT-8/1
Pace Project No.: 7060114

Sample: HB6	Lab ID: 70	060114006	Collecte	Collected: 08/01/18 09:05			Received: 08/01/18 16:45 Matrix: Drink		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Mo	ethod:							
Field Residual Chlorine	0.93	mg/L			1		08/01/18 09:05		N3
MBIO Total Coliform DW	Analytical Mo	ethod: SM22	2 9223B Co	ilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent				1 1	08/01/18 18:45 08/01/18 18:45	08/02/18 12:45 08/02/18 12:45		



Project: DIST BACT-8/1
Pace Project No.: 7060114

Sample: HB7	Lab ID: 7060114007	Collected	Collected: 08/01/18 09:20			Received: 08/01/18 16:45 Matrix: Drink		
Parameters	Results Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Method:							
Field Residual Chlorine	<b>0.55</b> mg/L			1		08/01/18 10:20		N3
MBIO Total Coliform DW	Analytical Method: SM2	2 9223B Coli	lert Prepa	aration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent			1 1	08/01/18 18:45 08/01/18 18:45	08/02/18 12:45 08/02/18 12:45		



Project: DIST BACT-8/1
Pace Project No.: 7060114

Sample: HB8	Lab ID: 70	060114008	Collecte	Collected: 08/01/18 09:40			01/18 16:45 Mat	atrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical M	ethod:							
Field Residual Chlorine	0.55	mg/L			1		08/01/18 09:40		N3
MBIO Total Coliform DW	Analytical M	ethod: SM22	9223B Co	ilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	08/01/18 18:45	08/02/18 12:45		
E.coli	Absent				1	08/01/18 18:45	08/02/18 12:45		



Project: DIST BACT-8/1
Pace Project No.: 7060114

Sample: HB9	Lab ID: 70601140	09 Collect	Collected: 08/01/18 07:30			01/18 16:45 Ma	Matrix: Drinking Water	
Parameters	Results Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Method:							
Field Residual Chlorine	<b>0.73</b> mg/L			1		08/01/18 07:30		N3
MBIO Total Coliform DW	Analytical Method: S	M22 9223B Co	olilert Prepa	aration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent			1 1	08/01/18 18:45 08/01/18 18:45	08/02/18 12:45 08/02/18 12:45		



Project: DIST BACT-8/1
Pace Project No.: 7060114

Sample: HB10	Lab ID: 706	0114010	Collected: 08/01/18 10:00			Received: 08/	01/18 16:45 Ma	atrix: Drinking Water	
Parameters	Results U	Jnits	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Meth	hod:							
Field Residual Chlorine	<b>0.82</b> m	ng/L			1		08/01/18 10:00		N3
MBIO Total Coliform DW	Analytical Meth	hod: SM22 9	223B Colil	ert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent				1 1	08/01/18 18:45 08/01/18 18:45	08/02/18 12:45 08/02/18 12:45		



Project: DIST BACT-8/1
Pace Project No.: 7060114

Sample: HB11	Lab ID:	7060114011	Collecte	d: 08/01/1	8 10:20	Received: 08/	01/18 16:45 Ma	trix: Drinking	Water
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical I	Method:							
Field Residual Chlorine	0.61	mg/L			1		08/01/18 10:20		N3
MBIO Total Coliform DW	Analytical I	Method: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	08/01/18 18:45	08/02/18 12:45		
E.coli	Absent				1	08/01/18 18:45	08/02/18 12:45		



Date: 08/03/2018 01:22 PM

### **QUALITY CONTROL DATA**

Project: DIST BACT-8/1
Pace Project No.: 7060114

QC Batch: 77651 Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert Analysis Description: TotCoIDW MBIO Total Coliform

Associated Lab Samples: 7060114001, 7060114002, 7060114003, 7060114004, 7060114005, 7060114006, 7060114007, 7060114008,

7060114009, 7060114010, 7060114011

METHOD BLANK: 356869 Matrix: Drinking Water

Associated Lab Samples: 7060114001, 7060114002, 7060114003, 7060114004, 7060114005, 7060114006, 7060114007, 7060114008,

7060114009, 7060114010, 7060114011

ParameterUnitsBlank ResultReporting LimitAnalyzedQualifiersE.coliAbsent08/02/18 12:45Total ColiformsAbsent08/02/18 12:45

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



### **QUALIFIERS**

Project: DIST BACT-8/1
Pace Project No.: 7060114

### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### **ANALYTE QUALIFIERS**

Date: 08/03/2018 01:22 PM

N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: DIST BACT-8/1
Pace Project No.: 7060114

Date: 08/03/2018 01:22 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7060114001	HB27		77593		
7060114002	HB2		77593		
7060114003	HB3		77593		
7060114004	HB4		77593		
7060114005	HB5		77593		
7060114006	HB6		77593		
7060114007	HB7		77593		
7060114008	HB8		77593		
7060114009	НВ9		77593		
7060114010	HB10		77593		
7060114011	HB11		77593		
7060114001	HB27	SM22 9223B Colilert	77651	SM22 9223B Colilert	77652
7060114002	HB2	SM22 9223B Colilert	77651	SM22 9223B Colilert	77652
7060114003	HB3	SM22 9223B Colilert	77651	SM22 9223B Colilert	77652
7060114004	HB4	SM22 9223B Colilert	77651	SM22 9223B Colilert	77652
7060114005	HB5	SM22 9223B Colilert	77651	SM22 9223B Colilert	77652
7060114006	HB6	SM22 9223B Colilert	77651	SM22 9223B Colilert	77652
7060114007	HB7	SM22 9223B Colilert	77651	SM22 9223B Colilert	77652
7060114008	HB8	SM22 9223B Colilert	77651	SM22 9223B Colilert	77652
7060114009	HB9	SM22 9223B Colilert	77651	SM22 9223B Colilert	77652
7060114010	HB10	SM22 9223B Colilert	77651	SM22 9223B Colilert	77652
7060114011	HB11	SM22 9223B Colilert	77651	SM22 9223B Colilert	77652

WO#:7060114

11747

# Client Info:

Address: FO. BOX 1013  HAMPTON BAYS, NEW YORK 11946  (63.1) 728-0179  After-	Name or Code:	Name or Code: HAMPTON BAYS WATER DISTRICT
# 92	Address.	PO. BOX 1013
:# el		HAMPTON BAYS, NEW YORK 11946
Phone #:		A/10.07/ (100)
Δ#n:	Phone #:	
	Attn.	

# Sample Request Form PUBLIC WATER SUPPLIER

Collected By: K. TUTHILL
Accepted By: S. F. OC.

IN E
OFF
WELL (
180
11/8

☐ WELL RUN TO SYSTEM

ACC DINO VOC'S PRESERVED WITH HCI

Sample Types Purpose
PW - Potable Water RO - Routine

RO - Routine RE - Resample S - Special

> GW - Groundwater SW - Surface Water

WW - Waste Water

AQ - Aqueous

- Soil

Se Origin

Routine D - Distribution

Resample RW - Raw Well

Special TW - Treated Well

T - Tank

MW - Monitoring Well

I - Influent

E - Effluent

AST - Air Stripper
GAC - Granular Activated Charcoal
N - Nitrate Removal Plant
FE - Iron Removal Plant

**Treatment Types** 

O - Other

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Bill To: Copies To:

Proj. # or (Name):

Date/Time S: Collected:	Sample	Location	Origin	adkı		Cl <sub>2</sub>	pH/ Iemp		Analysis	Lab No.
1 811-8	40	16 H	A	1	Ro	43.	7.30	BACT	10 m	
8	A.	43	0	}	020	8	7.3	500	3	202
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Z	Per	#5	A	J	60	52	7.43	329		30
81-1-8	33	2+	0	)	02	53	7.30	No.	wa	900
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	Pel	8 FF	A	)	go	. 55	7.57	13267	wlee	90
8-7:30 AM (	Pe	b#	A	)	83	73	101	Be	we	3
10:20 AM F	Pe	C) #	0	(	8	83	7,25	Ber	थिट	10
whether!	3	)) <del> </del>	0	1	3	7	736	1385	3	0

Pace Analytical" #:7060114 Client Name: Due Date: 08/31/18 PM: SWM Courier: Fed Ex UPS USPS Client Commercial CLIENT: HBW Tracking #: Temperature Blank Present: Yes No Seals intact: Yes No Custody Seal on Cooler/Box Present: Yes No Type of Ice: Wet Blue None Packing Material: Bubble Wrap Bubble Bags Ziploc None Dther Samples on ice, cooling process has begun Correction Factor: Thermometer Used: TH091 Cooler Temperature Corrected (°C): Date/Time 5035A kits placed in freezer Cooler Temperature (°C): Temp should be above freezing to 6.0°C Date and Initials of person examining contents USDA Regulated Soil ( N/A, water sample) Did samples originate from a foreign source (internationally, Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, including Hawaii and Puerto Rico)? Yes No YES NO NM, NY, OK, OR, SC, TN, TX, or VA (check map)? If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include willi SCUR/COC paperwork. COMMENIS: 1. DNo Chain of Custody Present: Nos DNo Chain of Custody Filled Out: TYes DNo Chain of Custody Relinquished: 4. ON/A Yes ONO Sampler Name & Signature on COC 5. DNo Dyes Samples Arrived within Hold Time: 6. Yes ONO Short Hold Time Analysis (<72hr): UNO □Yes Rush Turn Around Time Requested: 8 Sufficient Volume: (Triple volume provided for MS/MSD) Yes □No 9. DNo Wes Correct Containers Used: Yes ONo -Pace Containers Used: 10. ПИО Yes Containers Intact: 11. Note if sediment is visible in the dissolved container. DINA DNO □Yes Filtered volume received for Dissolved tests 12. ПМО Yes Sample Labels match COC: DII Matrix -Includes date/time/ID/Analysis D HNO. ☐ H<sub>z</sub>SO<sub>4</sub> □ NaOH DHCI All containers needing preservation have been che DINIA 13. □Yes DNo pH paper Lot # Sample # All containers needing preservation are found to be in compliance with EPA recommendation? DNIA DNo □Yes (HNO3, H2SO4, HCI, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, Initial when completed: Lot # of added preservative: Date/Time preservative added DRO/8015 (water). Per Method, VOA pH is checked after analysis DMA 14. ONO □Yes Samples checked for dechlorination: KI starch test strips Lot # Positive for Res. Chlorine? Y N Residual chlorine strips Lot # 15. AINIES ONO □Yes Headspace in VOA Vials (>6mm): **ON/A** 16. DNo ПYes Trip Blank Present: DNIA □Yes DNo Trip Blank Custody Seals Present Pace Trip Blank Lot # (if applicable): Field Data Required? YIN Client Notification/ Resolution: Date/Time: Person Contacted: Comments/ Resolution:

Squibic condition of

<sup>\*</sup> PM (Project Manager) review is documented electronically in LIMS.